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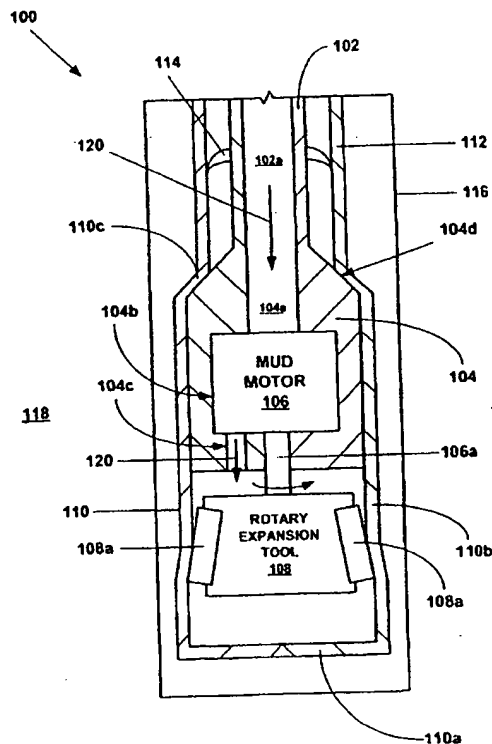
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(54) Title: **APPARATUS AND METHOD RADially EXPANDING A WELLBORE CASING USING AN EXPANSION MAN-
DREL AND A ROTARY EXPANSION TOOL**

(57) Abstract: An apparatus and method for radially expanding
a wellbore casing (112) using an expansion mandrel (104) and a
rotary expansion tool (108).



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| A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : E21B 23/00, 43/10 US CL : 166/380, 382, 207 According to International Patent Classification (IPC) or to both national classification and IPC | | |
|--|---|--|
| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 166/380, 382, 207, 206 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | US 3,785,193 A (KINLEY et al) 15 January 1974 (15/01/1974), Figures 1-3. | 2, 4-6 and 8-15 |
| X | US 2,627,891 A (CLARK) 10 February 1953 (10/02/1953), Figures 1 and 4. | 2, 4-6 and 8-15 |
| A, P | US 6,543,552 A (METCALFE et al) 08 April 2003 (08/04/2003), Figures 1-7. | 1-15 |
| A | US 3,818,734 A (BATEMAN) 25 June 1974 (25/06/1974), see Figure 1. | 1-15 |
| A | US 2003/0024711 A1 (SIMPSON et al) 06 February 2003 (06/02/2003), Figure 2 | 1-15 |
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